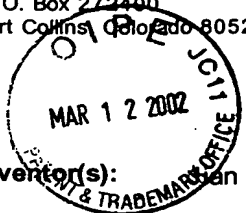


HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

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PATENT APPLICATION

ATTORNEY DOCKET NO. 10018003-1



IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jian Fan

Confirmation No.:

Application No.: 10/044,558

Examiner:

Filing Date: Jan 11, 2002

Group Art Unit:

Title: TEXT EXTRACTION AND ITS APPLICATION TO COMPOUND DOCUMENT IMAGE
COMPRESSION

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a petition under 37 CFR 1.97(d)(2), and
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

Jian Fan

By

R. Ross Viguet

Attorney/Agent for Applicant(s)

Reg. No. 42,203

Date: 03/01/02

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

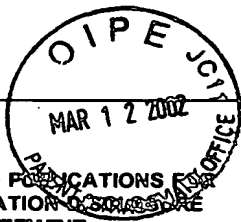
Date of Deposit: 03/01/02

Typed Name: Rita J. Carr

Signature: Rita J. Carr

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Sheet 1 of 2



FORM PTO-1449

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(Use several sheets if necessary)

ATTY. DOCKET NO.
10018003-1

APPLICATION NO.
10/044,558

CONFIRMATION NO.

APPLICANT

Jian Fan

FILING DATE

Jan 11, 2002

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A					
	1B					
	1C					
	1D					
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

FOREIGN PATENT DOCUMENTS

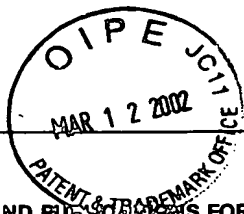
		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
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	1L							
	1M							
	1N							
	1O							
	1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	"Studio Encoding Parameter of Digital Television For Standard 4:3 and Wide-Screen 16:9 Aspect Ratios." ITU-R Recommendation BT.601-5. Geneva. (1995) pp. 1-16.
1R	Gonzalez, Rafael C. and Paul Wintz. "Digital Image Processing," Second Edition. Addison-Wesley, Massachuchets. (1987) pp.30-36.
1S	Kamel, M. and Aiguo Zhao. "Extraction of Binary Character/Graphics Images from Grayscale Document Images." CVGIP: Graphical Models and Image Processing, Vol. 55, No. 3. (May 1993) pp. 203-217.

EXAMINER

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Jian Fan

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	2A					
	2B					
	2C					
	2D					
	2E					
	2F					
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	2H					
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	2K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	2L							
	2M							
	2N							
	2O							
	2P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	Bottou, Leon et al. "High Quality Document Image Compression with "DjVu" Journal of Electronic Imaging, Vol 7(3). (July 1998) pp. 410-425.
2R	Adobe Systems Incorporated, PDF Reference, Second Edition. "adobe Portable Document Format, Version 1.3" Addison-Wesley, Boston (2000) pp. 257-258.
2S	"Facsimile Coding Schemes and Coding Control Functions for Group 4 Facsimile Apparatus." ITU-T Recommendation T.6. Geneva, (1988) pp. 1-9.

EXAMINER

DATE CONSIDERED